

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	IS&R	L1	1698	(310/325,328).CCLS.	USPA T	2004/09/1 7 09:24	
2	IS&R	L2	1507	(310/338,340,345,346, 348).CCLS.	USPA T	2004/09/1 7 09:42	
3	BRS	L3	16	dumbbell adj3 (hole\$ or cutout)	USPA T	2004/09/1 7 09:43	
4	BRS	L4	12	dumbbell adj3 (hole\$ or cutout)	EPO; JPO; DERW ENT; IBM_ TDB	2004/09/1 7 09:44	
5	BRS	L5	1	dumbbell adj3 (hole\$ or cutout)	US-P GPUB	2004/09/1 7 09:44	
6	BRS	L6	3	dumbbell adj2 aperture\$	US-P GPUB	2004/09/1 7 09:45	
7	BRS	L7	3	dumbbell adj2 (aperture\$ or hole\$ or cutout\$ or cut adj1 out\$) not 14 not 16	US-P GPUB	2004/09/1 7 09:46	
8	BRS	L8	6	dumbbell adj2 (aperture\$ or hole\$ or cutout\$ or cut adj1 out\$)	US-P GPUB	2004/09/1 7 09:47	
9	BRS	L10	50	dumbbell adj2 (aperture\$ or hole\$ or cutout\$ or cut adj1 out\$1)	USPA T	2004/09/1 7 09:50	
10	BRS	L11	9	dumbbell adj2 (aperture\$ or hole\$ or cutout\$ or cut adj1 out\$1)	EPO; JPO; DERW ENT; IBM_ TDB	2004/09/1 7 10:04	
11	BRS	L12	8	dumbbell adj2 (aperture\$ or hole\$ or cutout\$ or cut adj1 out\$1)	USOC R	2004/09/1 7 09:51	
12	BRS	L13	2127	(piezoelectric or magnetostrictive or electrostrictive or electroactive or electrodisplacive) same (hous\$3 or cas\$3 or enclos\$3) same (hole\$1 or dumb\$5 or punch\$ or cavit\$)	USPA T	2004/09/1 7 10:04	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
13	BRS	L14	1	(piezoelectric or magnetostrictive or electrostrictive or electoractive or electrodisplacive) same (hous\$3 or cas\$3 or enclos\$3) same (dumbbell or dumb adj1 bell)	EPO; JPO; DERW ENT; IBM- TDB	2004/09/17 10:05	
14	BRS	L15	3	(piezoelectric or magnetostrictive or electrostrictive or electoractive or electrodisplacive) same (hous\$3 or cas\$3 or enclos\$3) same (dumbbell or dumb adj1 bell)	USOC R	2004/09/17 10:06	
15	BRS	L16	0	(piezoelectric or magnetostrictive or electrostrictive or electoractive or electrodisplacive) same (hous\$3 or cas\$3 or enclos\$3) same (dumbbell or dumb adj1 bell)	US-P GPUB	2004/09/17 10:06	
16	BRS	L17	1	(piezoelectric or magnetostrictive or electrostrictive or electoractive or electrodisplacive) same (hous\$3 or cas\$3 or enclos\$3) same (dumbbell or dumb adj1 bell)	USPA T	2004/09/17 10:06	
17	BRS	L18	11	actuator same (hous\$3 or cas\$3 or enclos\$3) same (dumbbell or dumb adj1 bell)	USPA T	2004/09/17 10:07	
18	BRS	L19	0	actuator same (hous\$3 or cas\$3 or enclos\$3) same (dumbbell or dumb adj1 bell)	US-P GPUB ; EPO; JPO; DERW ENT; IBM- TDB	2004/09/17 10:07	
19	BRS	L20	20	actuator same (hous\$3 or cas\$3 or enclos\$3) same (dumbbell or dumb adj1 bell)	USOC R	2004/09/17 10:08	

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Number Search

Applicant, Title of invention, Abstract — e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.  
One letter word or Stopwords are not searchable.

dumbbell "dumb bell"

OR

▼

AND

holes cutouts "cut outs" apertures

OR

▼

AND

piezoelectric magnetostrictive electrostrictive electroactive electro

OR

▼

AND

Date of publication of application — e.g.19980401 - 19980405

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IPC — e.g. D01B7/04 A01C11/02

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